

## INSPECTION FOR THE PRESENCE OF ASBESTOS-CONTAINING MATERIALS

Waterbury State Office Complex – 6/7 South

October 30, 2012



Per the request of the State of Vermont, Department of Buildings and General Services (BGS), Crothers Environmental Group, LLC (CEG) conducted a renovation inspection for the presence of asbestos-containing materials throughout 6/7 South located at the Waterbury State Office Complex in Waterbury, Vermont. The inspection was conducted on October 9<sup>th</sup> and October 10<sup>th</sup>, 2012 to comply with renovation/demolition requirements set forth by the Vermont Regulations for Asbestos Control (V.S.A Title 18, Chapter 26), the U.S. Environmental Protection Agency Asbestos NESHAP Regulation (40 CFR Part 61 Subpart M) and the Occupational Safety & Health Administration (29 CFR 1926.1101 Construction Standard for Asbestos).

The following materials were found to contain asbestos in concentrations greater than 1%:

- **Flooring plaster**
- **Vinyl floor tile and mastic**
- **Black mastic (basement)**
- **Fire door cores**

The following materials were found to contain asbestos in concentrations less than 1%:

- **Popcorn ceiling (basement)**
- **Wall joint compound**
- **Basement mechanical room plaster**

## ASBESTOS BULK SAMPLING & LABORATORY ANALYSIS

One hundred twenty-two (122) bulk samples (includes layers) were collected during the inspection and delivered to EMSL Analytical, Inc. Proper chain-of-custody procedures were followed during the transport of samples. EMSL Analytical, Inc. is a Vermont Licensed and US EPA Accredited Laboratory. All samples, unless otherwise specified, were analyzed by Polarized Light Microscopy “**PLM**” in accordance with EPA test method 40 CFR Part 763, Subpart F. The analyst visually estimates the percentages of identified asbestos. The following table provides asbestos bulk sampling information:

### ASBESTOS BULK SAMPLE INVENTORY & ANALYTICAL RESULTS

#### October 9, 2012 Sampling

Sample Number	Homogeneous Material	Sample Location	Analytical Result
888200-6/7S-1	Joint compound	2 <sup>nd</sup> floor – north wall of room #211	No Asbestos Detected (NAD)
888200-6/7S-2	Sheetrock	2 <sup>nd</sup> floor – north wall of room #211	NAD
888200-6/7S-3	Joint compound	2 <sup>nd</sup> floor – north wall of room #201	NAD
888200-6/7S-4	Sheetrock	2 <sup>nd</sup> floor – north wall of room #201	NAD
888200-6/7S-5	Plaster skim coat	2 <sup>nd</sup> floor – south wall of hall outside room #203	NAD
888200-6/7S-6	Plaster rough coat	2 <sup>nd</sup> floor – south wall of hall outside room #203	NAD
888200-6/7S-7	Plaster skim coat	2 <sup>nd</sup> floor – west wall of hall outside room #210	NAD
888200-6/7S-8	Plaster rough coat	2 <sup>nd</sup> floor – west wall of hall outside room #210	NAD
888200-6/7S-9	Plaster skim coat	2 <sup>nd</sup> floor – south wall of hall outside room #206	NAD
888200-6/7S-10	Plaster rough coat	2 <sup>nd</sup> floor – south wall of hall outside room #206	NAD
888200-6/7S-11A	6” black mopboard	2 <sup>nd</sup> floor – north wall of office partition wall	NAD
888200-6/7S-11B	Yellow mopboard glue under 6” black mopboard	2 <sup>nd</sup> floor – north wall of office partition wall	NAD
888200-6/7S-12A	4” glossy black mopboard	2 <sup>nd</sup> floor – north wall of room #207	NAD
888200-6/7S-12B	Yellow mopboard glue under 4” glossy black mopboard	2 <sup>nd</sup> floor – north wall of room #207	NAD

Sample Number	Homogeneous Material	Sample Location	Analytical Result
888200-6/7S-13A	4" flat black mopboard	2 <sup>nd</sup> floor – south wall of room #206	NAD
888200-6/7S-13B	Yellow mopboard glue under 4" flat black mopboard	2 <sup>nd</sup> floor – south wall of room #206	NAD
888200-6/7S-14	Black vinyl floor separator	2 <sup>nd</sup> floor – doorway of janitor's closet	NAD
888200-6/7S-15A	Brown 2' x 2' vinyl flooring	2 <sup>nd</sup> floor – north side of janitor's closet	NAD
888200-6/7S-15B	Yellow flooring glue under brown 2' x 2' vinyl flooring	2 <sup>nd</sup> floor – north side of janitor's closet	NAD
888200-6/7S-16A	4" brown mopboard	2 <sup>nd</sup> floor – southwest side of room #211	NAD
888200-6/7S-16B	Yellow mopboard glue under 4" brown mopboard	2 <sup>nd</sup> floor – southwest side of room #211	NAD
888200-6/7S-17	Grey duct sealer	2 <sup>nd</sup> floor – northeast corner of IT storage room	NAD
888200-6/7S-18	Red fire stop	2 <sup>nd</sup> floor – hallway outside room #213	NAD
888200-6/7S-19	Green window caulking	2 <sup>nd</sup> floor – south hall window outside room #206	NAD
888200-6/7S-20	Yellow carpet glue	2 <sup>nd</sup> floor – entrance to room #202	NAD
888200-6/7S-21	Green window caulking	2 <sup>nd</sup> floor – southeast window in hall by room #206	NAD
888200-6/7S-22	Light grey floor leveler	2 <sup>nd</sup> floor – west side of room #201B	NAD
888200-6/7S-23	Light grey floor leveler	2 <sup>nd</sup> floor – east side of room #201B	NAD
888200-6/7S-24	Orange carpet glue	2 <sup>nd</sup> floor – east corner of room #201	NAD
888200-6/7S-25	Orange carpet glue	2 <sup>nd</sup> floor – west corner of room #201	NAD
888200-6/7S-26A	Black floor tile	2 <sup>nd</sup> floor – west side of room #203	NAD
888200-6/7S-26B	Brown floor leveler under black floor tile	2 <sup>nd</sup> floor – west side of room #203	NAD
888200-6/7S-26C	White floor leveler under black floor tile	2 <sup>nd</sup> floor – west side of room #203	NAD
888200-6/7S-26D	Orange mastic under black floor tile	2 <sup>nd</sup> floor – west side of room #203	NAD
888200-6/7S-27A	Black floor tile	2 <sup>nd</sup> floor – east corner of room #203	NAD
888200-6/7S-27B	Brown floor leveler under black floor tile	2 <sup>nd</sup> floor – east corner of room #203	NAD
888200-6/7S-27C	White floor leveler under black floor tile	2 <sup>nd</sup> floor – east corner of room #203	NAD
888200-6/7S-27D	Orange mastic under black floor tile	2 <sup>nd</sup> floor – east corner of room #203	NAD

Sample Number	Homogeneous Material	Sample Location	Analytical Result
888200-6/7S-28	Yellow carpet glue	2 <sup>nd</sup> floor – entrance to room #202	NAD
888200-6/7S-29	Black mastic	2 <sup>nd</sup> floor – northeast corner of room #212	NAD
888200-6/7S-30	Black mastic	2 <sup>nd</sup> floor – west side of room #212	NAD
888200-6/7S-31	Homasote flooring	2 <sup>nd</sup> floor – northwest corner of room #210	NAD
888200-6/7S-32	Homasote flooring	2 <sup>nd</sup> floor – hall outside of room #210	NAD
888200-6/7S-33	Joint compound	1 <sup>st</sup> floor – south wall of room #105	NAD
888200-6/7S-34	Sheetrock	1 <sup>st</sup> floor – south wall of room #105	NAD
888200-6/7S-35	Joint compound	1 <sup>st</sup> floor – north wall of room # 106	NAD
888200-6/7S-36	Sheetrock	1 <sup>st</sup> floor – north wall of room # 106	NAD
888200-6/7S-37	Plaster skim coat	1 <sup>st</sup> floor – northwest corner of room #108	NAD
888200-6/7S-38	Plaster rough coat	1 <sup>st</sup> floor – northwest corner of room #108	NAD
888200-6/7S-39	Plaster skim coat	1 <sup>st</sup> floor – hallway to Sewing Building	NAD
888200-6/7S-40	Plaster rough coat	1 <sup>st</sup> floor – hallway to Sewing Building	NAD
888200-6/7S-41	Plaster skim coat	1 <sup>st</sup> floor – north corner of room #113A	NAD
888200-6/7S-42	Plaster rough coat	1 <sup>st</sup> floor – north corner of room #113A	NAD
888200-6/7S-43	Green window caulking	1 <sup>st</sup> floor – northwest window in room #113	NAD
888200-6/7S-44	Green window caulking	1 <sup>st</sup> floor – southwest window in room #113	NAD
888200-6/7S-45A	4” flat black mopboard	1 <sup>st</sup> floor – north corner of room #109B	NAD
888200-6/7S-45B	Yellow mopboard glue under 4” flat black mopboard	1 <sup>st</sup> floor – north corner of room #109B	NAD
888200-6/7S-46A	6” black mopboard	1 <sup>st</sup> floor – north corner of room #109	NAD
888200-6/7S-46B	Yellow mopboard glue under 6” black mopboard	1 <sup>st</sup> floor – north corner of room #109	NAD
888200-6/7S-47A	4” black glossy mopboard	1 <sup>st</sup> floor – north wall of room #113	NAD
888200-6/7S-47B	Yellow mopboard glue under 4” black glossy mopboard	1 <sup>st</sup> floor – north wall of room #113	NAD
888200-6/7S-48A	4” blue mopboard	1 <sup>st</sup> floor – east side of janitor’s closet	NAD
888200-6/7S-48B	Orange mopboard glue under 4” blue mopboard	1 <sup>st</sup> floor – east side of janitor’s closet	NAD
888200-6/7S-49A	4” blue mopboard	1 <sup>st</sup> floor – west side of janitor’s closet	NAD

Sample Number	Homogeneous Material	Sample Location	Analytical Result
888200-6/7S-49B	Orange mopboard glue under 4" blue mopboard	1 <sup>st</sup> floor – west side of janitor's closet	NAD
888200-6/7S-50A	4" brown mopboard	1 <sup>st</sup> floor – north corner of room #113A	NAD
888200-6/7S-50B	Yellow mopboard glue under 4" brown mopboard	1 <sup>st</sup> floor – north corner of room #113A	NAD
888200-6/7S-51A	Brown battleship linoleum	1 <sup>st</sup> floor – east end of connector to Sewing building	NAD
888200-6/7S-51B	Blue paper backing under brown battleship linoleum	1 <sup>st</sup> floor – east end of connector to Sewing building	NAD
888200-6/7S-52A	Brown battleship linoleum	1 <sup>st</sup> floor – west end of connector to Sewing building	NAD
888200-6/7S-52B	Blue paper backing under brown battleship linoleum	1 <sup>st</sup> floor – west end of connector to Sewing building	NAD
888200-6/7S-53	White floor leveler	1 <sup>st</sup> floor – west end of connector to Sewing building	NAD
888200-6/7S-54	White floor leveler	1 <sup>st</sup> floor – west end of connector to Sewing building	NAD
888200-6/7S-55A	2' x 2' brown vinyl flooring	1 <sup>st</sup> floor – southwest corner of room #111	NAD
888200-6/7S-55B	Yellow flooring glue under 2' x 2' brown vinyl flooring	1 <sup>st</sup> floor – southwest corner of room #111	NAD
888200-6/7S-56	Yellow carpet glue	1 <sup>st</sup> floor – entrance to room #111	NAD
888200-6/7S-57A	Black vinyl floor separator	1 <sup>st</sup> floor – storage closet by room #107	NAD
888200-6/7S-57B	Floor separator glue under black vinyl floor separator	1 <sup>st</sup> floor – storage closet by room #107	NAD
888200-6/7S-58	Green window caulking	1 <sup>st</sup> floor – north end of hall by fire exit stairwell	NAD
888200-6/7S-59	Green window caulking	Basement – north end of hall by fire exit	NAD
888200-6/7S-60A	Grey vinyl stair tread	1 <sup>st</sup> floor landing – entrance to room #105	NAD
888200-6/7S-60B	Stair tread glue under grey vinyl stair tread	1 <sup>st</sup> floor landing – entrance to room #105	NAD
888200-6/7S-61A	Grey vinyl stair tread	Basement landing – stairwell to south connector	NAD
888200-6/7S-61B	Stair tread glue under grey vinyl stair tread	Basement landing – stairwell to south connector	NAD
888200-6/7S-62	Light grey floor leveler	1 <sup>st</sup> floor – north side of room #105	NAD
888200-6/7S-63A	Dark brown floor tile	1 <sup>st</sup> floor – northeast corner office south of room #105	<b>6% Chrysotile Asbestos</b>

Sample Number	Homogeneous Material	Sample Location	Analytical Result
888200-6/7S-63B	Black mastic under dark brown floor tile	1 <sup>st</sup> floor – northwest corner office south of room #105	NAD
888200-6/7S-64A	Dark brown floor tile	1 <sup>st</sup> floor – large room south of room #105	<b>3% Chrysotile Asbestos</b>
888200-6/7S-64B	Black mastic under dark brown floor tile	1 <sup>st</sup> floor – large room south of room #105	NAD
888200-6/7S-65	Brown fire stop	1 <sup>st</sup> floor – northwest wall under baseboard heat	NAD
888200-6/7S-66	Brown fire stop	1 <sup>st</sup> floor – northwest corner under baseboard heat	NAD
888200-6/7S-67A	White floor tile	1 <sup>st</sup> floor – northwest corner of room #109A	<b>3% Chrysotile Asbestos</b>
888200-6/7S-67B	Yellow mastic under white floor tile	1 <sup>st</sup> floor – northwest corner of room #109A	NAD
888200-6/7S-68A	White floor tile	1 <sup>st</sup> floor – northwest corner of room #109A	<b>3% Chrysotile Asbestos</b>
888200-6/7S-68B	Yellow mastic under white floor tile	1 <sup>st</sup> floor – northwest corner of room #109A	NAD
888200-6/7S-69A	Blue rough linoleum	1 <sup>st</sup> floor – northwest corner of janitor's closet	NAD
888200-6/7S-69B	Green flooring adhesive under blue rough linoleum	1 <sup>st</sup> floor – northwest corner of janitor's closet	NAD
888200-6/7S-70A	Blue rough linoleum	1 <sup>st</sup> floor – northeast corner of janitor's closet	NAD
888200-6/7S-70B	Green flooring adhesive under blue rough linoleum	1 <sup>st</sup> floor – northeast corner of janitor's closet	NAD
888200-6/7S-71	White pipe mastic	Basement – northeast corner of northeast mechanical room	NAD
888200-6/7S-72	White pipe mastic	Basement – northwest corner of room #009	NAD
888200-6/7S-73	White encapsulant	Basement – northwest wall of northeast mechanical room	NAD
888200-6/7S-74	White encapsulant	Basement – south wall in room in northeast mechanical room	NAD
888200-6/7S-75	Black mastic remnant	Basement – east end of hallway by northeast mechanical room	<b>8% Chrysotile Asbestos</b>
888200-6/7S-76	Black mastic remnant	Basement – west end of hallway by Sewing building	<b>2% Chrysotile Asbestos</b>
888200-6/7S-77	Red fire stop	Basement – north wall of east end of hallway	NAD
888200-6/7S-78	Popcorn ceiling	Basement – center of ceiling in room #006	NAD



Sample Number	Homogeneous Material	Sample Location	Analytical Result
888200-6/7S-79	Popcorn ceiling	Basement – center of ceiling in room #008	<b>0.50% Chrysotile Asbestos</b>
888200-6/7S-80	Popcorn ceiling	Basement – center of ceiling in room #007	NAD
888200-6/7S-81	Popcorn ceiling	Basement – center of closet in room #007	NAD
888200-6/7S-82	Popcorn ceiling	Basement – center of room large room #009	NAD
888200-6/7S-83	Textured ceiling patch	Basement – ceiling in center of room #006	NAD
888200-6/7S-84	Joint compound	Basement – east wall of room #006	<b>0.25% Chrysotile Asbestos</b>
888200-6/7S-85	Sheetrock	Basement – east wall of room #006	NAD
888200-6/7S-86	Joint compound	Basement – ceiling in room #007	<b>&lt;0.25% Chrysotile Asbestos</b>
888200-6/7S-87	Sheetrock	Basement – ceiling in room #007	NAD

### Historic Sampling – Plaster Sampling Only – April 17, 2010

Sample Number	Homogeneous Material	Sample Location	Analytical Result
651149-16	Plaster ceiling – skim and grey coat	Cubicle by room #205	NAD
651149-17	Plaster wall – skim and grey coat	Room #207 – west wall	NAD
651149-18	Plaster ceiling – skim and grey coat	Hall by room #211	NAD
651149-19	Plaster wall – skim and grey coat	1 <sup>st</sup> floor room by #109A – south wall	NAD
651149-20	Plaster wall – skim and grey coat	Room #108A – north wall	NAD
651149-21	Plaster wall – skim and grey coat	Room #111 – east wall	NAD

### Historic Sampling – April 8, 2009 Sampling

Sample Number	Homogeneous Material	Sample Location	Analytical Result
99100-5	Blown in attic insulation – white	Attic – north end west side	No asbestos detected (NAD)
99100-6	Blown in attic insulation – white	By attic hatch	NAD

### Historic Sampling – September 26, 2007 Sampling

Sample Number	Homogeneous Material	Sample Location	Analytical Result
43168-4	MJP – “T” joint	Mechanical room #005	No asbestos detected (NAD)
43168-5	MJP – valve body	Mechanical room #005	NAD
43168-6	MJP – 90 degree elbow	Mechanical room #005	NAD
43168-7A	Plaster – brown coat	Mechanical room #005	<b>0.25% Chrysotile</b>
43168-7B	Plaster – white coat	Mechanical room #005	NAD
43168-8A	Plaster – brown coat	Mechanical room #005	<b>0.25% Chrysotile</b>
43168-8B	Plaster – white coat	Mechanical room #005	NAD
43168-9	Plaster – brown coat	Mechanical room #005	NAD

### INVENTORY OF CONFIRMED/PRESUMED ASBESTOS-CONTAINING MATERIALS CONTAINING GREATER THAN 1% ASBESTOS:

- 1600 sq.ft. +/- Popcorn decorative ceiling & gypsum board (less than 1% asbestos) - Ground floor
- 2100 sq.ft +/- Black flooring mastic - Ground floor
- 80 sq.ft. +/- Wall and ceiling plaster – Ground floor mechanical room (less than 1% asbestos)
- 1800 sq.ft. +/- Carpet over vinyl asbestos floor tile 1<sup>st</sup> floor
- 4000 sq.ft +/- vinyl floor tile 2<sup>nd</sup> floor
- 4000 sq.ft +/- vinyl floor tile mastic
- 4000 sq.ft +/- Flooring plaster 2<sup>nd</sup> floor
- 8 each +/- Fire doors



## LIST OF NON-ASBESTOS CONTAINING MATERIALS

The following suspect building materials were sampled and found **not** to contain asbestos:

- Black floor tile
- Battleship linoleum
- Brown 2' x 2' vinyl flooring & yellow glue
- Blue rough linoleum & green adhesive
- 6" black mopboard & yellow glue
- 4" glossy black mopboard & yellow glue
- 4" black mopboard & yellow glue
- 4" brown mopboard & yellow glue
- 4" blue mopboard & orange glue
- Yellow carpet glue
- Orange carpet glue
- Light grey floor leveler
- Brown floor leveler
- White floor leveler
- Paper backing under battleship linoleum
- Black floor separator
- Grey vinyl stair tread & glue
- Grey duct sealer
- Red fire stop
- Brown fire stop
- Green window caulk
- Homosote
- White pipe mastic
- White encapsulant
- Sheetrock
- Plaster (rough coat)
- Plaster (skim coat)
- Textured ceiling patch

## RENOVATION REQUIREMENTS

### Friable Asbestos-Containing Materials

Friable ACM or PACM is an asbestos-containing material that when dry can be crumbled, pulverized, or reduced to powder by hand pressure, or a non-friable material that has been made friable by actions such as, but not limited to, sanding, grinding, sawing, abrading, etc. The following materials were identified as friable ACM:

⇒ **Flooring plaster**

⇒ **Fire doors**

The following regulatory agencies have regulations in effect when removing/disturbing friable ACM:

#### Vermont Department of Health

The Vermont Regulations for Asbestos Control (**VRAC**) - V.S.A. Title 18, Chapter 26, requires that all friable ACM that will be disturbed by renovation or demolition activities be properly removed prior to disturbance. VRAC requires the use of a Vermont Certified Asbestos Abatement Entity to remove these materials. The work must be performed in accordance with VRAC Section 2.4.2 .

#### Occupational Safety and Health Administration

(V)OSHA Title 29 Code of Federal Regulations (“CFR”) 1926.1101 *Asbestos Standard for the Construction Industry* classifies these materials as Class 1. With the exception of respiratory protection, VRAC has more stringent requirements when removing friable ACM.

#### U.S. Environmental Protection Agency

USEPA - Title 40 CFR Part 61 *National Emission Standards for Hazardous Air Pollutants; Asbestos NESHAP Revision; Final Rule* regulates the removal of friable ACM whenever 1) a “facility” will be demolished or 2) a “facility” being renovated will disturb quantities of regulated asbestos-containing materials (RACM) in **excess of 160 square feet** or 260 linear feet. VRAC has more stringent requirements when removing friable ACM. **The USEPA Region 1 office must be notified in writing 10 working days (from the date of postmark) prior to commencing removal activities.**

#### **Non-Friable Asbestos-Containing Materials**

Non-friable ACM or PACM is an asbestos-containing material that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure. The following materials were identified as non-friable ACM:

- ⇒ **Vinyl asbestos floor tile**
- ⇒ **Floor tile mastic/adhesive**

VRAC requires that all non-friable asbestos-containing materials that will be disturbed by renovation or demolition activities be properly removed prior to disturbance. VRAC Section 6 only requires minimal abatement procedures when removing non-friable materials. Vermont certified abatement personnel are not required. In short, the removal procedures include but do not limit:

- ◆ adequately wetting the material;
- ◆ removing the material in as large of sections as feasible; and
- ◆ properly packaging, labeling and disposing of the material.

**The material cannot be sanded, sawn, chipped, ground, abraded or drilled.**

VOSHA classifies these materials as Class II. This regulation is more stringent than VRAC, requiring the supervision by a competent person, specifically trained in a training course that meets the EPA’s Model Accreditation Plan (Title 40 CFR 763, *Asbestos-Containing Materials in Schools; Final Rule and Notice*) or a supervisor or project designer or its equivalent. Employees must also be trained, medically monitored and etc. Unless a negative exposure assessment has been carried out, full procedures are required under this regulation.

EPA NESHAP requirements do not apply unless the non-friable ACM is subjected to sanding, sawing, chipping, grinding, abrading or drilling or other dust generating removal operation.

### **Building Materials Containing Less Than 1% Asbestos**

The Vermont Department of Health Asbestos & Lead Control Program; U.S. Environmental Protection Agency; and the Occupational Safety & Health Administration (OSHA) defines an asbestos-containing material (ACM) as any material containing greater than one percent (>1%) asbestos. The following building materials were found to contain less than 1% asbestos:

- ◇ **Joint compound**
- ◇ **Popcorn ceilings**
- ◇ **Plaster brown coat (basement mechanical room only)**

The above materials are not asbestos-containing materials in accordance with the USEPA and the VDOH standards and require no special removal or disposal procedures by these regulatory agencies. However, OSHA released an interpretation letter concerning materials containing 1% asbestos or less. The following is an excerpt from the interpretation letter:

Since renovation/demolition operations involve material containing less than 1% asbestos, the work is not a designated class of asbestos work. Therefore, only 29 CFR 1926.1101(g)(1)(ii) and (iii), as well as those recordkeeping requirements under 29 CFR 1926.1101(n) that are associated with the negative exposure assessment, apply so long as neither asbestos permissible exposure limit (PEL) is exceeded or might be exceeded.

#### **29 CFR 1926.1101(g)(1)(ii) requires:**

"Wet methods, or wetting agents, to control employee exposures during asbestos handling, mixing, removal, cutting, application, and cleanup, except where employers demonstrate that the use of wet methods is infeasible due to for example, the creation of electrical hazards, equipment malfunction, and, in roofing, except as provide in paragraph (g)(8)(ii) of this section;"

#### **29 CFR 1926.1101(g)(1)(iii) requires:**

"Prompt clean-up and disposal of wastes and debris contaminated with asbestos in leak-tight containers except in roofing operations, where the procedures specified in paragraph (g)(8)(ii) of this section apply."

On the other hand, if at least one of the asbestos PELs is exceeded or might be exceeded, then all the requirements that are not strictly reserved as work practice requirements for Class I, II, III, or IV asbestos work apply or might apply. An exception would be if there were not frequent enough exposures above the asbestos PELs to activate a specific requirement. **For example, an employer is not required to make a medical surveillance program available to an employee who is not engaged in Class I, II, or III work or exposed at or above a permissible exposure limit for a combined total of 30 or more days per year.**

An example of the many requirements that apply when either one of the asbestos PELs is exceeded is 29 CFR 1926.1101(j)(4) which states, "The employer shall ensure that employees

do not smoke in work areas where they are occupationally exposed to asbestos because of activities in that work area." This requirement applies wherever the employer must establish an asbestos-associated regulated area. Such a regulated area must be established where Class I, II, or III asbestos work is done or where at least one of the asbestos PELs is exceeded.

Due to the complexities of the OSHA standards, we recommend utilizing an asbestos abatement contractor for removal of the material.

### **ABESTOS HAZARD COMMUNICATION REQUIREMENTS**

This section applies to the communication of information concerning asbestos hazards in construction & general industry to facilitate compliance with VOSHA 1926.1101 (construction) and 1910.1001 (general industry). Building owners are often the only and/or best sources of information concerning the presence of previously installed ACM. Therefore they, along with employers of potentially exposed employees, are assigned specific duties for hazard communication. ***Building and/or facility owners*** shall notify the following persons of the presence, location and quantity of ACM or PACM, at the work sites in their buildings and facilities. Notification shall be either in writing, or shall consist of a personal communication between the owner and the person to whom notification must be given or their authorized representatives:

- Prospective employers applying or bidding for work whose employees reasonably can be expected to work in or adjacent to areas containing such material;
- Employees of the owner who will work in or adjacent to areas containing such material;
- On multi-employer worksites, all employers of employees who will be performing work within or adjacent to areas containing such material; and
- Tenants who will occupy areas containing such material.

**Disclaimer:** Some suspect materials may be present in locations such as behind walls, in chases, above rigid ceilings, inside crawl spaces, etc. that were not visible or accessible to the Inspector. In the event suspect materials not identified in this report are discovered through demolition activities, the discovered material must be presumed as asbestos-containing and treated accordingly.

Please call our office at 802-888-1936 if you have any questions regarding this report or if you need further information.

Signed,



R. Chris Crothers, Principal / Vermont Licensed Asbestos Inspector  
Crothers Environmental Group, LLC

Attachments: Asbestos Bulk Sample Chain of Custody  
Laboratory Analysis Sheets  
Consultant & Laboratory License Copies

cc:  CEG888200-6/7S



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.emsl.com> / [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order ID: 041227161  
Customer ID: CROT30  
Customer PO:  
Project ID: WSOC

**Attn:** Chris Clement  
Crothers Environmental Group  
29 Duncan Road  
Morrisville, VT 05661

Phone: (802) 888-1936  
Fax: (ema) il -only  
Collected: 10/ 9/2012  
Received: 10/16/2012  
Analyzed: 10/23/2012

**Proj:** 888200-6/7 S WSOC-6/7 South Building-Waterbury, Vermont-Throughout (WSOC)

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-1

**Lab Sample ID:** 041227161-0001

**Sample Description:** 2nd floor-rm 211-N wall/joint compound (JC)

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-2

**Lab Sample ID:** 041227161-0002

**Sample Description:** 2nd floor-rm 211-N wall/sheetrock (SR)

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	2%	98%	None Detected	

**Client Sample ID:** 888200-6/7-S-3

**Lab Sample ID:** 041227161-0003

**Sample Description:** 2nd floor-rm 201-N wall/JC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-4

**Lab Sample ID:** 041227161-0004

**Sample Description:** 2nd floor-rm 201-N wall/SR

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	5%	95%	None Detected	

**Client Sample ID:** 888200-6/7-S-5

**Lab Sample ID:** 041227161-0005

**Sample Description:** 2nd floor-S wall of hallway outside rm 203/plaster skim coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-6

**Lab Sample ID:** 041227161-0006

**Sample Description:** 2nd floor-S wall of hallway outside rm 203/plaster rough coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-7

**Lab Sample ID:** 041227161-0007

**Sample Description:** 2nd floor-W wall of hallway outside rm 210/plaster skim coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	



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EMSL Order ID: 041227161  
Customer ID: CROT30  
Customer PO:  
Project ID: WSOC

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-8

**Lab Sample ID:** 041227161-0008

**Sample Description:** 2nd floor-W wall of hallway outside rm 210/plaster rough coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-9

**Lab Sample ID:** 041227161-0009

**Sample Description:** 2nd floor-S wall of hallway outside rm 206/plaster skim coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-10

**Lab Sample ID:** 041227161-0010

**Sample Description:** 2nd floor-S wall of hallway outside rm 206/plaster rough coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-11A

**Lab Sample ID:** 041227161-0011

**Sample Description:** 2nd floor-N wall of office partition in common are/6" black covebase

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-11B

**Lab Sample ID:** 041227161-0012

**Sample Description:** 2nd floor-N wall of office partition in common are/yellow glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-12A

**Lab Sample ID:** 041227161-0013

**Sample Description:** 2nd floor-N wall of rm 207/4" glossy black covebase

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-12B

**Lab Sample ID:** 041227161-0014

**Sample Description:** 2nd floor-N wall of rm 207/yellow glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-13A

**Lab Sample ID:** 041227161-0015

**Sample Description:** 2nd floor-S wall of rm 206/4" black covebase

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	





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Project ID: WSOC

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-13B

**Lab Sample ID:** 041227161-0016

**Sample Description:** 2nd floor-S wall of rm 206/yellow glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-14

**Lab Sample ID:** 041227161-0017

**Sample Description:** 2nd floor-janitors closet @ doorway/black floor separator

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-15-Vinyl Flooring

**Lab Sample ID:** 041227161-0018

**Sample Description:** 2nd floor-janitors closet N side/brown 2x2 vinyl flooring & yellow glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	0%	100%	None Detected	Recommend TEM

**Client Sample ID:** 888200-6/7-S-15-Glue

**Lab Sample ID:** 041227161-0018A

**Sample Description:** 2nd floor-janitors closet N side/brown 2x2 vinyl flooring & yellow glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-16A

**Lab Sample ID:** 041227161-0019

**Sample Description:** 2nd floor-room 211-SW side of room/4" brown covebase

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-16B

**Lab Sample ID:** 041227161-0019A

**Sample Description:** 2nd floor-room 211-SW side of room/yellow glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-17

**Lab Sample ID:** 041227161-0020

**Sample Description:** 2nd floor-NE corner of electronic storage room/gray duct sealer

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray/White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-18

**Lab Sample ID:** 041227161-0021

**Sample Description:** 2nd floor-hallway adjacent to room 213/red fire stop

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Red	3%	97%	None Detected	



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Project ID: WSOC

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-19

**Lab Sample ID:** 041227161-0022

**Sample Description:** 2nd floor-window on S wall of hallway outside room/green window caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Green	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-20

**Lab Sample ID:** 041227161-0023

**Sample Description:** 2nd floor-at entrance to room 202/yellow carpet glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-21

**Lab Sample ID:** 041227161-0024

**Sample Description:** 2nd floor-window on SE corner wall of hallway outs/green window caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Green	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-22

**Lab Sample ID:** 041227161-0025

**Sample Description:** 2nd floor-W side of room 201B/light gray floor leveler

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	5%	95%	None Detected	

**Client Sample ID:** 888200-6/7-S-23

**Lab Sample ID:** 041227161-0026

**Sample Description:** 2nd floor-E side of room 201B/light gray floor leveler

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	5%	95%	None Detected	

**Client Sample ID:** 888200-6/7-S-24

**Lab Sample ID:** 041227161-0027

**Sample Description:** 2nd floor-E corner of room 201/orange carpet glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White/Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-25

**Lab Sample ID:** 041227161-0028

**Sample Description:** 2nd floor-W corner of room 201/orange carpet glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-26A

**Lab Sample ID:** 041227161-0029

**Sample Description:** 2nd floor-W side of room 203/black floor tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	2%	98%	None Detected	



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Customer ID: CROT30  
Customer PO:  
Project ID: WSOC

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-26B

**Lab Sample ID:** 041227161-0030

**Sample Description:** 2nd floor-W side of room 203/brown floor leveler

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-26C

**Lab Sample ID:** 041227161-0031

**Sample Description:** 2nd floor-W side of room 203/white floor leveler

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-26D

**Lab Sample ID:** 041227161-0032

**Sample Description:** 2nd floor-W side of room 203/orange glue on bottom of tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-27A

**Lab Sample ID:** 041227161-0033

**Sample Description:** 2nd floor-E corner of room 203/black floor tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-27B

**Lab Sample ID:** 041227161-0034

**Sample Description:** 2nd floor-E corner of room 203/brown floor leveler

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-27C

**Lab Sample ID:** 041227161-0035

**Sample Description:** 2nd floor-E corner of room 203/white floor leveler

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-27D

**Lab Sample ID:** 041227161-0036

**Sample Description:** 2nd floor-E corner of room 203/orange glue on bottom of tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow/Orange	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-28

**Lab Sample ID:** 041227161-0037

**Sample Description:** 2nd floor-at entrance to room 202/yellow carpet glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	



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EMSL Order ID: 041227161  
Customer ID: CROT30  
Customer PO:  
Project ID: WSOC

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-29

**Lab Sample ID:** 041227161-0038

**Sample Description:** 2nd floor-NE corner of room 212/black mastic under light gray floor leveler

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-30

**Lab Sample ID:** 041227161-0039

**Sample Description:** 2nd floor-W side of room 212/black mastic under light gray floor leveler

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-31A

**Lab Sample ID:** 041227161-0040

**Sample Description:** 2nd floor-NW corner of room 210/homasote under black mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	90%	10%	None Detected	

**Client Sample ID:** 888200-6/7-S-31B

**Lab Sample ID:** 041227161-0041

**Sample Description:** 2nd floor-NW corner of room 210/homasote under black mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black/Yellow	0%	100%	None Detected	Composite of yellow and black mastic

**Client Sample ID:** 888200-6/7-S-32A

**Lab Sample ID:** 041227161-0042

**Sample Description:** 2nd floor-NW corner of room 210/homasote under black mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	90%	10%	None Detected	

**Client Sample ID:** 888200-6/7-S-32B

**Lab Sample ID:** 041227161-0043

**Sample Description:** 2nd floor-NW corner of room 210/homasote under black mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-33

**Lab Sample ID:** 041227161-0044

**Sample Description:** 1st floor-S wall of room 105/joint compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-34

**Lab Sample ID:** 041227161-0045

**Sample Description:** 1st floor-S wall of room 105/sheetrock

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown/Gray	2%	98%	None Detected	



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Project ID: WSOC

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-35

**Lab Sample ID:** 041227161-0046

**Sample Description:** 1st floor-outer N wall of room 106/joint compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-36

**Lab Sample ID:** 041227161-0047

**Sample Description:** 1st floor-outer N wall of room 106/sheetrock

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	5%	95%	None Detected	

**Client Sample ID:** 888200-6/7-S-37

**Lab Sample ID:** 041227161-0048

**Sample Description:** 1st floor-NW corner of room 108/plaster-skim coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-38

**Lab Sample ID:** 041227161-0049

**Sample Description:** 1st floor-NW corner of room 108/plaster-rough coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-39

**Lab Sample ID:** 041227161-0050

**Sample Description:** 1st floor-hallway to sewing building/plaster-skim coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-40

**Lab Sample ID:** 041227161-0051

**Sample Description:** 1st floor-hallway to sewing building/plaster-rough coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-41

**Lab Sample ID:** 041227161-0052

**Sample Description:** 1st floor-N corner of room 113A/plaster-smooth coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-42

**Lab Sample ID:** 041227161-0053

**Sample Description:** 1st floor-N corner of room 113A/plaster-rough coat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	5%	95%	None Detected	



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## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-43

**Lab Sample ID:** 041227161-0054

**Sample Description:** 1st floor-NW window in room 113/green window caulking

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Green	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-44

**Lab Sample ID:** 041227161-0055

**Sample Description:** 1st floor-SW window in room 113/green window caulking

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Green	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-45A

**Lab Sample ID:** 041227161-0056

**Sample Description:** 1st floor-N corner of room 109B/4" black covebase

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-45B

**Lab Sample ID:** 041227161-0056A

**Sample Description:** 1st floor-N corner of room 109B/glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Cream	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-46A

**Lab Sample ID:** 041227161-0057

**Sample Description:** 1st floor-N corner of room 109/6" black covebase

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-46B

**Lab Sample ID:** 041227161-0057A

**Sample Description:** 1st floor-N corner of room 109/glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-47A

**Lab Sample ID:** 041227161-0058

**Sample Description:** 1st floor-N wall of room 113/4" glossy black covebase

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-47B

**Lab Sample ID:** 041227161-0058A

**Sample Description:** 1st floor-N wall of room 113/glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	



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EMSL Order ID: 041227161  
Customer ID: CROT30  
Customer PO:  
Project ID: WSOC

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-48A

**Lab Sample ID:** 041227161-0059

**Sample Description:** 1st floor-janitors closet/4" blue covebase

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Blue	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-48B

**Lab Sample ID:** 041227161-0059A

**Sample Description:** 1st floor-janitors closet/orange adhesive

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-49A

**Lab Sample ID:** 041227161-0060

**Sample Description:** 1st floor-janitors closet/4" blue covebase

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Blue	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-49B

**Lab Sample ID:** 041227161-0060A

**Sample Description:** 1st floor-janitors closet/orange adhesive

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow/Orange	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-50A

**Lab Sample ID:** 041227161-0061

**Sample Description:** 1st floor-N corner of room 113A/4" brown covebase

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-50B

**Lab Sample ID:** 041227161-0061A

**Sample Description:** 1st floor-N corner of room 113A/glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-51-Linoleum

**Lab Sample ID:** 041227161-0062

**Sample Description:** 1st floor-E end of hallway to sewing building/battleship linoleum & paper backing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown/Gray	20%	80%	None Detected	

**Client Sample ID:** 888200-6/7-S-51-Backing

**Lab Sample ID:** 041227161-0062A

**Sample Description:** 1st floor-E end of hallway to sewing building/battleship linoleum & paper backing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	80%	20%	None Detected	





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## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-52-Linoleum

**Lab Sample ID:** 041227161-0063

**Sample Description:** 1st floor-W end of hallway to sewing building/battleship linoleum & paper backing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown/Gray	15%	85%	None Detected	

**Client Sample ID:** 888200-6/7-S-52-Backing

**Lab Sample ID:** 041227161-0063A

**Sample Description:** 1st floor-W end of hallway to sewing building/battleship linoleum & paper backing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown/Gray	90%	10%	None Detected	

**Client Sample ID:** 888200-6/7-S-53

**Lab Sample ID:** 041227161-0064

**Sample Description:** 1st floor-W end of hallway to sewing building/white floor vinyl flooring & yellow glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-54

**Lab Sample ID:** 041227161-0065

**Sample Description:** 1st floor-W end of hallway to sewing building/white floor vinyl flooring & yellow glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-55-Vinyl Flooring

**Lab Sample ID:** 041227161-0066

**Sample Description:** 1st floor-SW corner of room 111/2x2 brown vinyl flooring & yellow glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-55-Glue

**Lab Sample ID:** 041227161-0066A

**Sample Description:** 1st floor-SW corner of room 111/2x2 brown vinyl flooring & yellow glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-56

**Lab Sample ID:** 041227161-0067

**Sample Description:** 1st floor-doorway entrance to room 111/yellow carpet glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	Limited material

**Client Sample ID:** 888200-6/7-S-57A

**Lab Sample ID:** 041227161-0068

**Sample Description:** 1st floor-N side of entrance to storage closet adj/black floor separator

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	



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Project ID: WSOC

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-57B

**Lab Sample ID:** 041227161-0068A

**Sample Description:** 1st floor-N side of entrance to storage closet adj/glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-58

**Lab Sample ID:** 041227161-0069

**Sample Description:** 1st floor-N end of hallway adj to fire exit stairw/green window caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Green	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-59

**Lab Sample ID:** 041227161-0070

**Sample Description:** Basement-N end of hallway adj to fire exit stairwa/green window caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Green	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-60A

**Lab Sample ID:** 041227161-0071

**Sample Description:** 1st floor landing-at entrance to room 105/gray vinyl stair tread

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-60B

**Lab Sample ID:** 041227161-0071A

**Sample Description:** 1st floor landing-at entrance to room 105/glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-61A

**Lab Sample ID:** 041227161-0072

**Sample Description:** Basement landing-in stairwell leading to S connect/gray vinyl stair tread

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-61B

**Lab Sample ID:** 041227161-0072A

**Sample Description:** Basement landing-in stairwell leading to S connect/glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-62

**Lab Sample ID:** 041227161-0073

**Sample Description:** 1st floor-N side of room 105/light gray floor leveled

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray/Yellow	0%	100%	None Detected	Mastic & levler composited



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Project ID: WSOC

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-63A-Floor Tile

**Lab Sample ID:** 041227161-0074

**Sample Description:** 1st floor-NE corner of South of room 105 un-number/dark brown floor tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	0%	94%	6% Chrysotile	

**Client Sample ID:** 888200-6/7-S-63B-Black Mastic

**Lab Sample ID:** 041227161-0074A

**Sample Description:** 1st floor-NE corner of South of room 105 un-number/black mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-63C-Yellow Mastic

**Lab Sample ID:** 041227161-0074B

**Sample Description:** 1st floor-NE corner of South of room 105 un-number/dark brown floor tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-63D-Backing

**Lab Sample ID:** 041227161-0074C

**Sample Description:** 1st floor-NE corner of South of room 105 un-number/dark brown floor tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	90%	10%	None Detected	

**Client Sample ID:** 888200-6/7-S-64A-Floor Tile

**Lab Sample ID:** 041227161-0075

**Sample Description:** 1st floor-large main room S of room 108A/dark brown floor tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	0%	97%	3% Chrysotile	

**Client Sample ID:** 888200-6/7-S-64B-Black Mastic

**Lab Sample ID:** 041227161-0075A

**Sample Description:** 1st floor-large main room S of room 108A/black mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-64B-Yellow Mastic

**Lab Sample ID:** 041227161-0075B

**Sample Description:** 1st floor-large main room S of room 108A/black mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-64B-Backing

**Lab Sample ID:** 041227161-0075C

**Sample Description:** 1st floor-large main room S of room 108A/black mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	85%	15%	None Detected	



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EMSL Order ID: 041227161  
Customer ID: CROT30  
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Project ID: WSOC

## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-65

**Lab Sample ID:** 041227161-0076

**Sample Description:** 1st floor-NE wall-under baseboard heat/brown fire stop

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	3%	97%	None Detected	

**Client Sample ID:** 888200-6/7-S-66

**Lab Sample ID:** 041227161-0077

**Sample Description:** 1st floor-NW wall under baseboard heat/brown fire stop

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Brown	5%	95%	None Detected	

**Client Sample ID:** 888200-6/7-S-67A

**Lab Sample ID:** 041227161-0078

**Sample Description:** 1st floor-NW corner of room 109A/white floor tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012		0%	97%	3% Chrysotile	

**Client Sample ID:** 888200-6/7-S-67B

**Lab Sample ID:** 041227161-0079

**Sample Description:** 1st floor-NW corner of room 109A/yellow mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-68A

**Lab Sample ID:** 041227161-0080

**Sample Description:** 1st floor-NW corner of room 109A/white floor tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	97%	3% Chrysotile	

**Client Sample ID:** 888200-6/7-S-68B

**Lab Sample ID:** 041227161-0081

**Sample Description:** 1st floor-NW corner of room 109A/yellow mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Yellow	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-69

**Lab Sample ID:** 041227161-0082

**Sample Description:** 1st floor-NW corner of janitors closet/blue rough linoleum & green adhesive

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray/Blue	5%	95%	None Detected	

**Client Sample ID:** 888200-6/7-S-69-Adhesive

**Lab Sample ID:** 041227161-0082A

**Sample Description:** 1st floor-NW corner of janitors closet/blue rough linoleum & green adhesive

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Green	5%	95%	None Detected	



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## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-70

**Lab Sample ID:** 041227161-0083

**Sample Description:** 1st floor-NE corner of janitors closet/blue rough linoleum & green adhesive

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/23/2012	Gray/Blue	5%	95%	None Detected	

**Client Sample ID:** 888200-6/7-S-70-Adhesive

**Lab Sample ID:** 041227161-0083A

**Sample Description:** 1st floor-NE corner of janitors closet/blue rough linoleum & green adhesive

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/23/2012	Green	5%	95%	None Detected	

**Client Sample ID:** 888200-6/7-S-71

**Lab Sample ID:** 041227161-0084

**Sample Description:** Basement-NE corner of Northeast mechanical room/white pipe mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-72

**Lab Sample ID:** 041227161-0085

**Sample Description:** Basement-NW corner of room 009/white pipe mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/23/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-73

**Lab Sample ID:** 041227161-0086

**Sample Description:** Basement-NW wall of NE mech room/white encapsalant

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-74

**Lab Sample ID:** 041227161-0087

**Sample Description:** Basement-S wall in small room off of NE mech rm/white encapsalant

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/23/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-75

**Lab Sample ID:** 041227161-0088

**Sample Description:** Basement-E end of hallway adj to NE mech rm/black mastic remnant

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Black	0%	92%	8% Chrysotile	

**Client Sample ID:** 888200-6/7-S-76

**Lab Sample ID:** 041227161-0089

**Sample Description:** W end of hallway-hallway to sewing bldg/black mastic remnant

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/23/2012	Black	0%	98%	2% Chrysotile	



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## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-77

**Lab Sample ID:** 041227161-0090

**Sample Description:** N wall-E end of hallway/red fire stop

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Red	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-78

**Lab Sample ID:** 041227161-0091

**Sample Description:** Center of ceiling in rm 006/popcorn ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	Sample contains vermiculite. The sample group does not appear to be homogeneous

**Client Sample ID:** 888200-6/7-S-79

**Lab Sample ID:** 041227161-0092

**Sample Description:** Center of ceiling in rm 008/popcorn ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM Pt Ct	10/22/2012	White	0%	99.50%	0.50% Chrysotile	

**Client Sample ID:** 888200-6/7-S-80

**Lab Sample ID:** 041227161-0093

**Sample Description:** Center of ceiling in rm 007/popcorn ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012		0%	100%	None Detected	Sample contains vermiculite.

**Client Sample ID:** 888200-6/7-S-81

**Lab Sample ID:** 041227161-0094

**Sample Description:** Center of closet in rm 007/popcorn ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012		0%	100%	None Detected	Sample contains vermiculite.

**Client Sample ID:** 888200-6/7-S-82

**Lab Sample ID:** 041227161-0095

**Sample Description:** Center of rm 009 (large mech rm)/popcorn ceiling

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/23/2012	White	0%	100%	None Detected	Sample contains vermiculite.

**Client Sample ID:** 888200-6/7-S-83

**Lab Sample ID:** 041227161-0096

**Sample Description:** Center of rm 006/textured ceiling patch

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	White	0%	100%	None Detected	

**Client Sample ID:** 888200-6/7-S-84

**Lab Sample ID:** 041227161-0097

**Sample Description:** E wall of rm 006/JC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM Pt Ct	10/22/2012	White	0%	99.75%	0.25% Chrysotile	



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## Summary Test Report for Asbestos Analysis via EPA 600/R-93/116 and/or EPA 600/M4-82-020

**Client Sample ID:** 888200-6/7-S-85

**Lab Sample ID:** 041227161-0098

**Sample Description:** E wall of rm 006/SR

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/22/2012	Gray	5%	95%	None Detected	

**Client Sample ID:** 888200-6/7-S-86

**Lab Sample ID:** 041227161-0099

**Sample Description:** room 00/JC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM Pt Ct	10/23/2012	White	0%	100%	<0.25% Chrysotile	

**Client Sample ID:** 888200-6/7-S-87

**Lab Sample ID:** 041227161-0100

**Sample Description:** room 00/SR

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/23/2012	White	7%	93%	None Detected	

PLM: Certification #PB091886 (JP); #PB812017 (CB) & #PB548328 (NS)

PLM 400 Point Count: Certification #PB091886 (JP); #PB812017 (CB) & #PB548328 (NS)

### Analyst(s)

Chelsey Billhear	PLM	(48)
	400 PLM Pt Ct	(2)
Juli Patel	PLM	(64)
Nancy Stalter	PLM	(7)
	400 PLM Pt Ct	(1)

Stephen Siegel, CIH, Laboratory Manager  
or other Approved Signatory

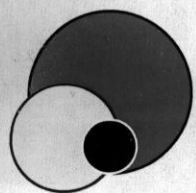
Any questions please contact Steve Siegel.

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Initial report from: 10/23/2012 06:45:21





# Crothers Environmental Group, LLC

29 Duncan Road  
Morrisville, Vermont 05661  
Phone 802-888-1936  
info@crothersenvironmental.com

041227161

## CHAIN OF CUSTODY "ASBESTOS" VERMONT SAMPLES

To:

**EMSL Analytical**  
200 Rt. 130 North  
Cinnaminson, NJ 08077

Date Samples Collected: October 9, 2012

Account Representative: Ellen Podell

Samples Collected By: Christopher Clement

CEG Project No.: 888200-6/7 S Project Name: WSOC - 6/7 South Building - Waterbury, Vermont

Work Area: Throughout

E-Mail Results to: [chris@crothersenvironmental.com](mailto:chris@crothersenvironmental.com)

Analysis Requested: Polarized Light Microscopy

Method of Shipment: FedEx

Sample #	Sample Description, Homogenous Area	Sample Location
888200-6/7 S-1	Joint compound (JC)	2nd floor - rm 211 - N. wall
888200-6/7 S-2	Sheetrock (SR)	2nd floor - " " "
888200-6/7 S-3	JC	- Rm 201 - N. wall
888200-6/7 S-4	SR	- " " "
888200-6/7 S-5	Plaster skim coat	- S. wall of hallway outside rm 203
888200-6/7 S-6	Plaster rough coat	- " " "
888200-6/7 S-7	Plaster skim coat	- W. wall of hallway outside rm 210
888200-6/7 S-8	Plaster rough coat	- " " "
888200-6/7 S-9	Plaster skim coat	- S. wall of hallway outside rm 206
888200-6/7 S-10	Plaster rough coat	- " " "
888200-6/7 S-11	6" black covebase + yellow glue	- N. wall of office partition in common area
888200-6/7 S-12	4" glossy black covebase + yellow glue	- N. wall of rm 207
888200-6/7 S-13	4" black covebase + yellow glue	- S. wall of rm 206
888200-6/7 S-14	Black floor separator	- Janitor's closet @ doorway
888200-6/7 S-15	Brown 2'x2' vinyl flooring + yellow glue	- " " " N. side
888200-6/7 S-16	4" brown covebase + yellow glue	- Room 211 - S.W. side of room
888200-6/7 S-17	Gray duct sealer	- N.E. corner of electronic storage room

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041227161

October 9, 2012

Crothers Environmental Group, LLC - Page 2 of 4

Sample #	Sample Description, Homogenous Area	Sample Location
888200-6/7 S-18	Red fire stop	2nd floor - Hallway adjacent to Room 213
888200-6/7 S-19	Green window caulk	- window on S. wall of hallway outside room 206
888200-6/7 S-20	Yellow carpet glue	- At Entrance to Room 202
888200-6/7 S-21	Green window caulk	- window on SE corner wall of hallway outside of Room 206
888200-6/7 S-22	Light gray floor leveler	- W. side of Room 201B
888200-6/7 S-23	" " "	- E side of Room 201B
888200-6/7 S-24	Orange carpet glue	- E. corner of Room 201
888200-6/7 S-25	" " "	- W. corner of Room 201
888200-6/7 S-26	Black floor tile w/ Brown floor leveler, white floor leveler and orange glue on bottom of tile.	- W. side of Room 203
888200-6/7 S-27	" " " " "	- E. corner of Room 203
888200-6/7 S-28	Yellow carpet glue	- At entrance to Room 202
888200-6/7 S-29	Black mastic under light gray floor leveler	- N.E. corner of Room 212
888200-6/7 S-30	" " " "	- W side of Room 212
888200-6/7 S-31	Humasote under black mastic	- N.W. corner of Room 210
888200-6/7 S-32	" " " "	" " " "
888200-6/7 S-33	Joint compound	1st floor - S. wall of Room 105
888200-6/7 S-34	Sheetrock	" " " "
888200-6/7 S-35	Joint compound	- Outer N. wall of Room 106
888200-6/7 S-36	Sheetrock	" " " "
888200-6/7 S-37	Plaster - Skim coat	- N.W. corner of Room 108
888200-6/7 S-38	Plaster - Rough coat	- " " "
888200-6/7 S-39	Plaster - Skim coat	- Hallway to Sewing Building



041227161

Sample #	Sample Description, Homogenous Area	Sample Location
888200-6/7 S-40	Plaster - Rough coat	1st floor - Hallway to Sewing Building
888200-6/7 S-41	Plaster - Smooth coat	- N. corner of Room 113A
888200-6/7 S-42	Plaster - Rough coat	" " "
888200-6/7 S-43	Green window caulking	- N.W. window in Room 113
888200-6/7 S-44	" " "	- S.W. window in Room 113
888200-6/7 S-45	4" black corebase and glue	- N. Corner of Room 109B
888200-6/7 S-46	6" black corebase and glue	- N. Corner of Room 109
888200-6/7 S-47	4" glossy black corebase + glue	N. wall of Room 113
888200-6/7 S-48	4" blue corebase + Orange adhesive	- Sanitor's closet
888200-6/7 S-49	" " "	" " "
888200-6/7 S-50	4" brown corebase + glue	" - N. Corner of Room 113A
888200-6/7 S-51	Battleship Linoleum <sup>paper</sup> backing	- E. end of hallway to Sewing Building
888200-6/7 S-52	" " "	W. end of " 12 OCT 16 AM 11:00
888200-6/7 S-53	White floor under <sup>Battleship</sup> Linoleum	- W. end of " " "
888200-6/7 S-54	" " "	- " " " " "
888200-6/7 S-55	2'x2' brown vinyl flooring + yellow glue	- S.W. Corner of Room 111
888200-6/7 S-56	Yellow Carpet glue	- doorway entrance to Room 111
888200-6/7 S-57	Black floor Separator + glue	- N. side of entrance to storage closet
888200-6/7 S-58	Green window caulk	- N. end of hallway adj. to fire exit stairs
888200-6/7 S-59	" " "	Basement - N. end of hallway adj. to fire exit stairway
888200-6/7 S-60	Gray vinyl stair tread + glue	1st floor landing - At entrance to Room 105
888200-6/7 S-61	" " "	Basement Landing - <del>At entrance to</del> In stairwell leading to 5 <sup>th</sup> connector

041227161

Asbestos Chain of Custody  
WSOC - 6/7 South Building - Waterbury, VT

October 9, 2012  
Crothers Environmental Group, LLC - Page 4 of 4

Sample #	Sample Description, Homogenous Area	Sample Location
888200-6/7 S-62	Light gray floor tile	1st floor - N. Side of Room 105
888200-6/7 S-63	Dark brown floor tile + <del>black mastic</del>	" - N.E. corner of <sup>un-numbered office</sup> south of Room 105
888200-6/7 S-64	" / " " + Black mastic	" - Large main room S. of Room 108A
888200-6/7 S-65	Brown fire stop	" - N.E. <sup>wall</sup> under baseboard heat
888200-6/7 S-66	" "	" - N.W. wall under baseboard heat
888200-6/7 S-67	White floor tile + yellow mastic	" - N.W. corner of Room 109A
888200-6/7 S-68	" " " "	" - " " " "
888200-6/7 S-69	Blue Rough linoleum + green adhesive	" - N.W. corner of Janitors closet
888200-6/7 S-70	" " " " "	" - N.E. " " "
888200-6/7 S-71	White Pipe mastic	Basement N.E. corner of <sup>Northeast</sup> Mechanical room
888200-6/7 S-72	" " "	- N.W. corner of Room 009
888200-6/7 S-73	White encapsulant	- N.W. wall of N.E. Mech. Room
888200-6/7 S-74	" " "	- S. wall in small room off of N.E. Mech. room
888200-6/7 S-75	Black mastic remnant	- E. end of hallway <sup>1201</sup> adj. to N.E. mech. room

Turnaround Time: by Noon Same Day 24 Hour 48 Hour 72 Hour 5 day

Point count if asbestos content is found to be less than 2%

Relinquished by: [Signature] Date: 10-12-12

Received by: AKK EMSL EX Date 10/12/12 9:154

87b

More on next page

041227161

6/7 South Pg. 5

Sample #	Sample Description	Sample location
6/75-76	Black mastic remnant	W. end of hallway-hallway to Sewing Bldg.
6/75-77	Red firestop	N. wall - E. end of hallway
6/75-78	<del>SR</del> Popcorn ceiling	Center of ceiling in rm 006
6/75-79	<del>SR</del> " "	" " 008
6/75-80	<del>SR</del> " "	" " 007
6/75-81	<del>SR</del> " "	Center of closet in rm 007
6/75-82	" "	Center of rm 009 (large mech room)
6/75-83	textured ceiling patch	<del>SR</del> Center of rm 006
6/75-84	JC	E. wall of rm 006
6/75-85	SR	" "
6/75-86	JC	Room 00
6/75-87	SR	
6/75-88		
6/75-89		
6/75-90		
6/75-91		
6/75-92		
6/75-93		
6/75-94		
6/75-95		
6/75-96		
6/75-97		
6/75-98		
6/75-99		
6/75-100		

12 OCT 16 AM 11:06

CINNAMINSON, N.J.

2012 OCT 16 A 10:10

CINNAMINSON, N.J.  
EMSL  
RECEIVED



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041324634

CustomerID: CROT30

CustomerPO:

ProjectID: WSOC

Attn: **Chris Crothers**  
**Crothers Environmental Group**  
**29 Duncan Road**  
**Morrisville, VT 05661**

Phone: (802) 888-1936  
Fax:  
Received: 09/12/13 9:15 AM  
Analysis Date: 9/13/2013  
Collected: 9/11/2013

Project: 888200-SHC - South Hytoric Core

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	
200-SHC-19 041324634-0001	5 SOUTH, 2ND FLOOR, N. SIDE OF CIRCULAR AREA - PLASTER IN SUB FLOOR	Gray Non-Fibrous Homogeneous	5% Hair	95% Non-fibrous (other)		None Detected
200-SHC-20 041324634-0002	6/7 SOUTH, 2ND FLOOR, S.W. SIDE - PLASTER IN SUB FLOOR	Gray Non-Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile	
200-SHC-21 041324634-0003	1, 2, 3 SOUTH, 2ND FLOOR, ROOM 207 - PLASTER IN SUB FLOOR	Gray Non-Fibrous Homogeneous	5% Hair	95% Non-fibrous (other)		None Detected
200-SHC-22 041324634-0004	1, 2, 3 SOUTH, 2ND FLOOR, ADJ. ELEVATOR - PLASTER IN SUB FLOOR	Gray Non-Fibrous Homogeneous	5% Hair	95% Non-fibrous (other)		None Detected
200-SHC-23 041324634-0005	1, 2, 3 SOUTH, 2ND FLOOR, ROOM 211 - PLASTER IN SUB FLOOR	Gray Non-Fibrous Homogeneous	5% Hair	95% Non-fibrous (other)		None Detected
200-SHC-24 041324634-0006	1, 2, 3 SOUTH, 2ND FLOOR, ROOM 217 - PLASTER IN SUB FLOOR	Gray Non-Fibrous Homogeneous	5% Hair	95% Non-fibrous (other)		None Detected

Analyst(s)

Erica Valent (6)

Juli Patel (1)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 09/13/2013 07:28:14

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041324634

CustomerID: CROT30

CustomerPO:

ProjectID: WSOC

Attn: **Chris Crothers**  
**Crothers Environmental Group**  
**29 Duncan Road**  
**Morrisville, VT 05661**

Phone: (802) 888-1936  
Fax:  
Received: 09/12/13 9:15 AM  
Analysis Date: 9/13/2013  
Collected: 9/11/2013

Project: 888200-SHC - South Hytoric Core

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
200-SHC-25 041324634-0007	1, 2, 3 SOUTH, HALLWAY, 2ND FLOOR, ADJ. ROOM 216 - PLASTER IN SUB FLOOR	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected

Certification #PB647790 (EV) &amp; #PB091886 (JP)

Analyst(s)

Erica Valent (6)

Juli Patel (1)

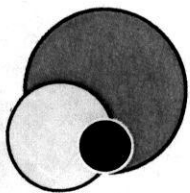
Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 09/13/2013 07:28:14





041324634  
**Crothers Environmental Group, LLC**

29 Duncan Road  
Morrisville, Vermont 05661  
Phone 802-888-1936  
info@crothersenvironmental.com

# CHAIN OF CUSTODY "ASBESTOS" VERMONT SAMPLES

To: **EMSL Analytical**  
200 Rt. 130 North  
Cinnaminson, NJ 08077

Date Samples Collected: 9/11/13  
Account Representative: Ellen Podell  
Samples Collected By: Thomas Hurd

CEG Project No.: 88200-SHC Project Name: WSOC - Saint Historic Core  
Work Area:

E-Mail Results to: chris@crothersenvironmental.com

Analysis Requested: Polarized Light Microscopy

Method of Shipment: FedEx

Sample #	Sample Description, Homogenous Area	Sample Location
200-SHC-19	Plaster in Sub Floor	5 South 2nd floor, N side of Circular area
20	" " " "	6/7 South 2nd floor, SW side
21	" " " "	1,2,3 South 2nd floor, room 207
22	" " " "	" " " " Adj Elevator
23	" " " "	" " " " room 211
24	" " " "	" " " " room 217
25	" " " "	1,2,3 South Hallway, 2nd floor, Adj. Room 216
26		
27		
28		
29		
30		
31		
32		
33		
34		

RECEIVED  
EMSL  
CINNAMINSON, N.J.  
2013 SEP 12 A 9:31

Turnaround Time: by Noon Same Day 24 Hour 48 Hour 72 Hour 5 day

Point count if asbestos content is found to be less than 2%

Relinquished by: [Signature]

Date: 9/11/13

rec'd - AK EMSL FD 9/12/13 9:15A

7



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 041324771  
Customer ID: CROT30  
Customer PO:  
Project ID: WSOC

**Attn:** Chris Crothers  
Crothers Environmental Group  
29 Duncan Road  
Morrisville, VT 05661

**Phone:** (802) 888-1936  
**Fax:** (ema) il -only  
**Collected:** 9/12/2013  
**Received:** 9/13/2013  
**Analyzed:** 9/13/2013

**Proj:** 200-SHC/WSOC-South Historic Core (WSOC)

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

<b>Client Sample ID:</b> 200-SHC-26		<b>Lab Sample ID:</b> 041324771-0001				
<b>Sample Description:</b> 5 south, 2nd floor, Room 225/Plaster in subfloor						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	9/13/2013	Gray	0%	100%	None Detected	
<b>Client Sample ID:</b> 200-SHC-27		<b>Lab Sample ID:</b> 041324771-0002				
<b>Sample Description:</b> 5 south, 2nd floor, Room 232/Plaster in subfloor						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	9/13/2013	Gray	2%	98%	None Detected	
<b>Client Sample ID:</b> 200-SHC-28		<b>Lab Sample ID:</b> 041324771-0003				
<b>Sample Description:</b> 5 south, 2nd floor, south side of circular area/Plaster in subfloor						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	9/13/2013	Gray	2%	98%	None Detected	
<b>Client Sample ID:</b> 200-SHC-29		<b>Lab Sample ID:</b> 041324771-0004				
<b>Sample Description:</b> 5 south, 2nd floor, Room 227/Plaster in subfloor						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	9/13/2013	Gray	2%	98%	None Detected	
<b>Client Sample ID:</b> 200-SHC-30		<b>Lab Sample ID:</b> 041324771-0005				
<b>Sample Description:</b> 4 south, 2nd floor, Room 220/Plaster in subfloor						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	9/13/2013	Gray	2%	98%	None Detected	
<b>Client Sample ID:</b> 200-SHC-31		<b>Lab Sample ID:</b> 041324771-0006				
<b>Sample Description:</b> 4 south, 2nd floor, Room 217/Plaster in subfloor						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	9/13/2013	Gray	5%	95%	None Detected	
<b>Client Sample ID:</b> 200-SHC-32		<b>Lab Sample ID:</b> 041324771-0007				
<b>Sample Description:</b> 4 south, 2nd floor, Room 222/Plaster in subfloor						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	9/13/2013	Gray	2%	98%	None Detected	



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 041324771  
Customer ID: CROT30  
Customer PO:  
Project ID: WSOC

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

**Client Sample ID:** 200-SHC-33

**Lab Sample ID:** 041324771-0008

**Sample Description:** 4 south, 2nd floor, Room 215/Plaster in subfloor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	9/13/2013	Gray	2%	98%	None Detected	

**Client Sample ID:** 200-SHC-34

**Lab Sample ID:** 041324771-0009

**Sample Description:** 6/7 south 2nd floor, Room 210/Plaster in subfloor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM Pt Ct	9/13/2013	Gray	0%	99.25%	0.75% Chrysotile	

**Client Sample ID:** 200-SHC-35

**Lab Sample ID:** 041324771-0010

**Sample Description:** 6/7 south 2nd floor, Room 207/Plaster in subfloor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM Pt Ct	9/13/2013	Gray	0%	98.75%	1.25% Chrysotile	

**Client Sample ID:** 200-SHC-36

**Lab Sample ID:** 041324771-0011

**Sample Description:** 6/7 south 2nd floor, far south side/Plaster in subfloor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	9/13/2013	Gray	0%	100%	None Detected	

**Client Sample ID:** 200-SHC-37

**Lab Sample ID:** 041324771-0012

**Sample Description:** 6/7 south 2nd floor, Room 204/Plaster in subfloor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM Pt Ct	9/13/2013	Gray	0%	99.50%	0.50% Chrysotile	

**Client Sample ID:** 200-SHC-38

**Lab Sample ID:** 041324771-0013

**Sample Description:** 6/7 south 2nd floor, Room 208/Plaster in subfloor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM Pt Ct	9/13/2013	Gray	0%	99.75%	0.25% Chrysotile	

PLM: Vermont Certification #: PB812017 (C.B.); PB812016 (S.R.)

PLM 400 Point Count: Vermont Certification #: PB812017 (C.B.); PB812016 (S.R.)

### Analyst(s)

Chelsey Bilhear	PLM	(1)
	400 PLM Pt Ct	(2)
Samantha Rundstorm	PLM	(8)
	400 PLM Pt Ct	(2)

Stephen Siegel, CIH, Laboratory Manager  
or other Approved Signatory

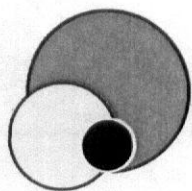
Any questions please contact Steve Siegel.

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Initial report from: 09/14/2013 01:04:48

041324771


**Crothers Environmental Group, LLC**

 29 Duncan Road  
 Morrisville, Vermont 05661  
 Phone 802-888-1936  
 info@crothersenvironmental.com

**CHAIN OF CUSTODY "ASBESTOS" VERMONT SAMPLES**

 To: **EMSL Analytical**  
 200 Rt. 130 North  
 Cinnaminson, NJ 08077

 Date Samples Collected: 9/12/13  
 Account Representative: Ellen Podell  
 Samples Collected By: Thomas Hurd

 CEG Project No.: 200-SHC

 Project Name: WSOC-South Historic Core

Work Area:

 E-Mail Results to: chris@crothersenvironmental.com

Analysis Requested: Polarized Light Microscopy

Method of Shipment: FedEx

Sample #	Sample Description, Homogenous Area	Sample Location
200-SHC-26	Plaster in Sub floor	5 South, 2nd floor, Room 225
27	" " "	" " " " , Room 232
28	" " "	" " " " , South side of Circular
29	" " "	" " " " , Room 227
30	" " "	4 South, 2nd floor, Room 220
31	" " "	4 South, 2nd floor, Room 217
32	" " "	" " " " " " 222
33	" " "	" " " " " " Room 215
34	" " "	6/7 South 2nd floor, Room 210
35	" " "	" " " " " " Room 207
36	" " "	" " " " " " , Far South side
37	" " "	" " " " " " , Room 204
38	" " "	" " " " " " , Room 200

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